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| ENTRY | SESSION |
| 0.21 | 0.21 |

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FILE 'USPAT2' ENTERED AT 17:41:45 ON 11 OCT 2005
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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

=> s (phosphoethanolamine (2w) methyltransferase) (4a) (gene or nucleic or DNA or nucleotide or polynucleotide or cDNA)

1 FILES SEARCHED...

8 FILES SEARCHED...

17 FILES SEARCHED...

28 FILES SEARCHED...

33 FILES SEARCHED...

39 FILES SEARCHED...

L1 71 (PHOSPHOETHANOLAMINE (2W) METHYLTRANSFERASE) (4A) (GENE OR NUCLEIC OR DNA OR NUCLEOTIDE OR POLYNUCLEOTIDE OR CDNA)

=> s 11 and (salt or stress) (3a) (toleran? or resistan?)

11 FILES SEARCHED...
14 FILES SEARCHED...
28 FILES SEARCHED...
41 FILES SEARCHED...

L2 8 L1 AND (SALT OR STRESS) (3A) (TOLERAN? OR RESISTAN?)

=> s 12 not PY>1999

8 FILES SEARCHED...
9 FILES SEARCHED...
24 FILES SEARCHED...
'1999' NOT A VALID FIELD CODE
29 FILES SEARCHED...
'1999' NOT A VALID FIELD CODE
41 FILES SEARCHED...

L3 0 L2 NOT PY>1999

=> s 11 not PY>1999

8 FILES SEARCHED...
14 FILES SEARCHED...
26 FILES SEARCHED...
'1999' NOT A VALID FIELD CODE
29 FILES SEARCHED...
'1999' NOT A VALID FIELD CODE
41 FILES SEARCHED...

L4 0 L1 NOT PY>1999

=> d his

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FILE 'CAPLUS, BIOSIS, AGRICOLA, MEDLINE, CAOLD, CASREACT, CROPU, DGENE, DPCI, ENCOMPAT, EPFULL, FRANCEPAT, FRFULL, FSTA, GBFULL, IFIPAT, IMSPATENTS, INPADOC, JAPIO, KOREAPAT, LITALERT, NTIS, PAPERCHEM2, PATDD, PATDPA, PATDPAFULL, PATDPASPC, PCTFULL, ...' ENTERED AT 17:41:45 ON 11 OCT 2005

L1 71 S (PHOSPHOETHANOLAMINE (2W) METHYLTRANSFERASE) (4A) (GENE OR NU
L2 8 S L1 AND (SALT OR STRESS) (3A) (TOLERAN? OR RESISTAN?)
L3 0 S L2 NOT PY>1999
L4 0 S L1 NOT PY>1999

=> d 12 1-8

L2 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:376563 CAPLUS

DN 141:237759

TI Protein and cDNA sequences of a novel plant **phosphoethanolamine N-methyltransferase gene** and its application

IN Li, Jiayang; Mou, Zhonglin; Wang, Xiaoqun; Fu, Zhiming; Dai, Ya; Gao, Fang; Han, Chang; Ouyang, Jian; Hu, Yuxin; Liu, Xinfang

PA Institute of Genetics, Chinese Academy of Sciences, Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 18 pp.

CODEN: CNXXEV

DT Patent

LA Chinese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | CN 1394957 | A | 20030205 | CN 2001-120211 | 20010706 |
| PRAI | CN 2001-120211 | | 20010706 | | |

L2 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:753571 CAPLUS

DN 138:2382

TI Silencing of phosphoethanolamine N-methyltransferase results in temperature-sensitive male sterility and salt hypersensitivity in Arabidopsis

AU ..Mou, Zhonglin; Wang, Xiaoqun; Fu, Zhiming; Dai, Ya; Han, Chang; Ouyang,
 Jian; Bao, Fang; Hu, Yuxin; Li, Jiayang
 CS Institute of Genetics and Developmental Biology, Chinese Academy of
 Sciences, Beijing, 100101, Peop. Rep. China
 SO Plant Cell (2002), 14(9), 2031-2043
 CODEN: PLCEEW; ISSN: 1040-4651
 PB American Society of Plant Biologists
 DT Journal
 LA English
 RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 8 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN AAD16802 DNA DGENE
 TI New plant S-adenosyl-L-methionine:phosphoethanolamine N-methyltransferase
 polypeptides, useful for modulating the levels of cellular intermediates
 such as phosphodimethylethanolamine and for altering the lipid content in
 plants cells -
 IN Hanson A D; Nuccio M L; Henry S A
 PA (UYFL) UNIV FLORIDA.
 (UYCA-N) UNIV CARNEGIE MELLON.
 PI WO 2001068870 A2 20010920 158
 AI WO 2001-US8352 20010315
 PRAI US 2000-525885 20000315
 DT Patent
 LA English
 OS 2001-565796 [63]
 DESC Oligonucleotide #2, to generate BglIII adapter for PEAMT cDNA library.

L2 ANSWER 4 OF 8 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN AAD16801 DNA DGENE
 TI New plant S-adenosyl-L-methionine:phosphoethanolamine N-methyltransferase
 polypeptides, useful for modulating the levels of cellular intermediates
 such as phosphodimethylethanolamine and for altering the lipid content in
 plants cells -
 IN Hanson A D; Nuccio M L; Henry S A
 PA (UYFL) UNIV FLORIDA.
 (UYCA-N) UNIV CARNEGIE MELLON.
 PI WO 2001068870 A2 20010920 158
 AI WO 2001-US8352 20010315
 PRAI US 2000-525885 20000315
 DT Patent
 LA English
 OS 2001-565796 [63]
 DESC Oligonucleotide #1, to generate BglIII adapter for PEAMT cDNA library.

L2 ANSWER 5 OF 8 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN AAD16800 DNA DGENE
 TI New plant S-adenosyl-L-methionine:phosphoethanolamine N-methyltransferase
 polypeptides, useful for modulating the levels of cellular intermediates
 such as phosphodimethylethanolamine and for altering the lipid content in
 plants cells -
 IN Hanson A D; Nuccio M L; Henry S A
 PA (UYFL) UNIV FLORIDA.
 (UYCA-N) UNIV CARNEGIE MELLON.
 PI WO 2001068870 A2 20010920 158
 AI WO 2001-US8352 20010315
 PRAI US 2000-525885 20000315
 DT Patent
 LA English
 OS 2001-565796 [63]
 DESC Oligonucleotide #2, to construct PEAMT cDNA expression library.

L2 ANSWER 6 OF 8 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN AAD16799 DNA DGENE
 TI New plant S-adenosyl-L-methionine:phosphoethanolamine N-methyltransferase
 polypeptides, useful for modulating the levels of cellular intermediates
 such as phosphodimethylethanolamine and for altering the lipid content in

.. plants cells -

IN Hanson A D; Nuccio M L; Henry S A
PA (UYFL) UNIV FLORIDA.
(UYCA-N) UNIV CARNEGIE MELLON.

PI WO 2001068870 A2 20010920 158
AI WO 2001-US8352 20010315
PRAI US 2000-525885 20000315

DT Patent
LA English
OS 2001-565796 [63]
DESC Oligonucleotide #1, to construct PEAMT cDNA expression library.

L2 ANSWER 7 OF 8 PCTFULL COPYRIGHT 2005 Univentio on STN
AN 2004001011 PCTFULL ED 20040115 EW 200401

TIEN NEMATODE PHOSPHOETHANOLAMINE N-METHYLTRANSFERASE-LIKE SEQUENCES
TIFR SEQUENCES DE TYPE PHOSPHOETHANOLAMINE N-METHYLTRANSFERASE TIREES DE
NEMATODES

IN WILLIAMS, Deryck, J., 6242 Southwood Avenue, Apt. 2S, St. Louis, MO
63105, US [GY, US];
MCLAIRD, Merry, B., 1535 Swallow Drive, Brentwood, MO 63144, US [US,
US];
HRESKO, Michelle, Coutu, 1349 Stillhouse Creek Road, Chesterfield, MO
63017, US [US, US];
FREVERT, Anita, M., 9943A Sloane Square, St. Louis, MO 63134, US [US,
US];
WORTHINGTON, Ronald, E., 224 Gray Avenue, St. Louis, MO 63119, US [US,
US];
KLOEK, Andrew, P., 4525 Lindell Boulevard, Apartment 1103, St. Louis, MO
63108, US [US, US];
DAVILA-APONTE, Jennifer, A., 1118 Ralph Terrace, St. Louis, MO 63117, US
[US, US];
BRADLEY, John, D., 11426 Daykin Drive, St. Louis, MO 63146, US [US, US];
XU, Siqun, 1755 Warminton Court, Ballwin, MO 63021, US [US, US]

PA DIVERGENCE, INC., 893 N. Warson Road, Nidus Center, St. Louis, MO 63141,
US [US, US], for all designates States except US;
WILLIAMS, Deryck, J., 6242 Southwood Avenue, Apt. 2S, St. Louis, MO
63105, US [GY, US], for US only;
MCLAIRD, Merry, B., 1535 Swallow Drive, Brentwood, MO 63144, US [US,
US], for US only;
HRESKO, Michelle, Coutu, 1349 Stillhouse Creek Road, Chesterfield, MO
63017, US [US, US], for US only;
FREVERT, Anita, M., 9943A Sloane Square, St. Louis, MO 63134, US [US,
US], for US only;
WORTHINGTON, Ronald, E., 224 Gray Avenue, St. Louis, MO 63119, US [US,
US], for US only;
KLOEK, Andrew, P., 4525 Lindell Boulevard, Apartment 1103, St. Louis, MO
63108, US [US, US], for US only;
DAVILA-APONTE, Jennifer, A., 1118 Ralph Terrace, St. Louis, MO 63117, US
[US, US], for US only;
BRADLEY, John, D., 11426 Daykin Drive, St. Louis, MO 63146, US [US, US],
for US only;
XU, Siqun, 1755 Warminton Court, Ballwin, MO 63021, US [US, US], for US
only

AG MEIKLEJOHN, Anita, L., D., Ph., Fish & Richardson P.C., 225 Franklin
Street, Boston, MA 02110, US

LAF English
LA English
DT Patent

PI WO 2004001011 A2 20031231
DS W:

| | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| AE | AG | AL | AM | AT | AU | AZ | BA | BB | BG | BR | BY | BZ | CA | CH | CN | CO | CR | CU |
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RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC
NL PT RO SE SI SK TR

.. RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 AI WO 2003-US19794 A 20030623
 PRAI US 2002-60/390,490 20020621
 ICM C12N

L2 ANSWER 8 OF 8 USPATFULL on STN
 AN 2004:120062 USPATFULL
 TI Nematode phosphoethanolamine n-methyltransferase-like sequences
 IN Williams, Deryck J., St. Louis, MO, UNITED STATES
 McLaird, Merry B., Kirkwood, MO, UNITED STATES
 Hresko, Michelle Coutu, Chesterfield, MO, UNITED STATES
 Frevort, Anita M., St. Louis, MO, UNITED STATES
 Worthington, Ronald E., St. Louis, MO, UNITED STATES
 Kloek, Andrew P., San Francisco, CA, UNITED STATES
 Davila-Aponte, Jennifer A., St. Louis, MO, UNITED STATES
 Bradley, John D., St. Louis, MO, UNITED STATES
 Xu, Siqun, Ballwin, MO, UNITED STATES
 PI US 2004091467 A1 20040513
 AI US 2003-602268 A1 20030623 (10)
 PRAI US 2002-390490P 20020621 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 3730
 INCL INCLM: 424/094.500
 INCLS: 435/069.100; 435/193.000; 435/320.100; 435/325.000; 536/023.200;
 530/388.260
 NCL NCLM: 424/094.500
 NCLS: 435/069.100; 435/193.000; 435/320.100; 435/325.000; 530/388.260;
 536/023.200
 IC [7]
 ICM: A61K038-48
 ICS: C07H021-04; C12N009-10
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| <input type="checkbox"/> | L4 | L3 and (salt or osmotic) near2 stress | 5 |
| <input type="checkbox"/> | L3 | L1 and 800/278.ccls. | 60 |
| <input type="checkbox"/> | L2 | L1 and 800/278.ccls | 0 |
| <input type="checkbox"/> | L1 | E.coli and yeast | 2753 |

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☐ 1. Document ID: US 6936750 B2

L4: Entry 1 of 5

File: USPT

Aug 30, 2005

US-PAT-NO: 6936750

DOCUMENT-IDENTIFIER: US 6936750 B2

TITLE: Increasing salt tolerance in plants by overexpression of a vacuolar Na⁺/H⁺ transporter[s]

DATE-ISSUED: August 30, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-------|-------|----------|---------|
| Blumwald; Eduardo | Davis | CA | 95616 | |
| Apse; Maris | Davis | CA | 95616 | |

US-CL-CURRENT: [800/298](#); [424/93.2](#), [435/320.1](#), [435/468](#), [435/70.1](#), [536/23.6](#), [800/278](#)

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | IMC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|---------|

☐ 2. Document ID: US 6855865 B2

L4: Entry 2 of 5

File: USPT

Feb 15, 2005

US-PAT-NO: 6855865

DOCUMENT-IDENTIFIER: US 6855865 B2

TITLE: Nucleic acids encoding plant defensins and methods of use thereof

DATE-ISSUED: February 15, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------------|------------|-------|----------|---------|
| Famodu; Omolayo O. | Newark | DE | | |
| Herrmann; Rafael | Wilmington | DE | | |
| Lu; Albert L. | Newark | DE | | |
| McCutchen; Billy Fred | Clive | IA | | |
| Miao; Guo-Hua | Johnston | IA | | |
| Presnail; James K. | Avondale | PA | | |
| Weng; Zude | Warsaw | IN | | |

US-CL-CURRENT: 800/279; 435/320.1, 435/419, 435/468, 536/23.6, 800/278, 800/295,
800/298, 800/317, 800/320

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|

☐ 3. Document ID: US 6822139 B1

L4: Entry 3 of 5

File: USPT

Nov 23, 2004

US-PAT-NO: 6822139

DOCUMENT-IDENTIFIER: US 6822139 B1

TITLE: Modulation of storage organs

DATE-ISSUED: November 23, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------------|------------|-------|----------|---------|
| Dornelas; Marcelo | B. Colinos | | | BR |
| van Lammeren; Andre A. M. | Wageningen | | | NL |
| Kreis; Martin | Orsay | | | FR |

US-CL-CURRENT: 800/278; 435/468, 435/91.1, 435/91.31, 536/23.1, 536/24.5, 800/295

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|

☐ 4. Document ID: US 6777589 B1

L4: Entry 4 of 5

File: USPT

Aug 17, 2004

US-PAT-NO: 6777589

DOCUMENT-IDENTIFIER: US 6777589 B1

TITLE: Methods and compositions for the production of stably transformed, fertile monocot plants and cells thereof

DATE-ISSUED: August 17, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|------------|-------|----------|---------|
| Lundquist; Ronald C. | Minnetonka | MN | | |
| Walters; David A. | Groton | CT | | |

US-CL-CURRENT: 800/288; 800/275, 800/278, 800/320.1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|

☐ 5. Document ID: US 5952545 A